

SolarTech Power Solutions

Huawei Base Station Communication Advantages



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Overview

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The DBS5900 is a wireless access device for the eLTE wireless broadband private network solution. It provides wireless access functions, including air interface management, access control, mobility control, and user resource allocation. The DBS5900 can meet the needs of industry users for wireless.

They are first processed by Skyworks SKY73021-11 1.7-2.2 GHz downconversion mixers, producing frequencies from 2.2 GHz down to 550 MHz. The mixer local oscillator is an Analog Devices ADF4110B. A SAW filter is used for isolation. Depending on the signal source or type, an Analog Devices AD8376.

Fault self-healing: The AI-based "digital human team" (such as fault assistant and Watt Master) can locate network anomalies within 5 minutes, such as quickly repairing base station signals during the flood in Thailand to reduce user impact. Intelligent energy consumption regulation: AI dynamically.

Digital Unit (DU): The DU processes and manages the digital data between the core network and the RF unit. It handles tasks like protocol conversion, encryption, and decryption, as well as various other control functions. Power Supply Unit (PSU): This provides the necessary electrical power to.

High Throughput: Huawei's 5G base stations can achieve up to several Gbps of throughput, allowing for faster data transfer rates compared to 4G technology. Low Latency: With latency reduced to as low as 1 millisecond, Huawei's 5G base stations enable real-time communication and support.

Operators differentiate advantages through integrated services based on the synergy of fixed broadband (FBB) and mobile broadband (MBB). Implementing fixed mobile convergence (FMC) has become a new norm for the business development of operators. Global operators are gradually implementing FMC.

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